

FIG. 1

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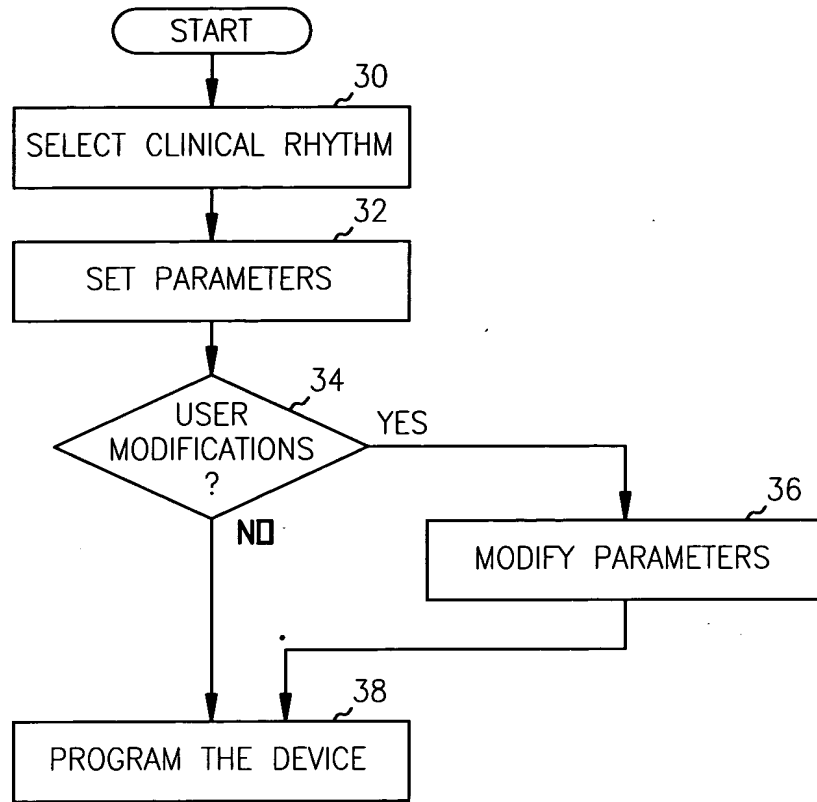


FIG. 2

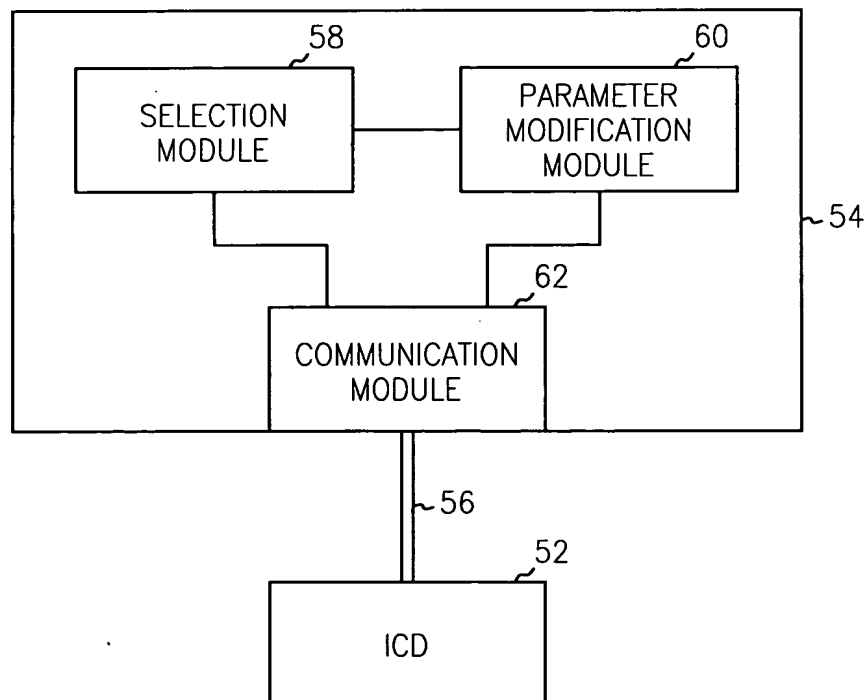


FIG. 3

	VT-1 ZONE	VT ZONE	VF ZONE
1-ZONE CONFIGURATION	NONE		
2-ZONE CONFIGURATION		V RATE > A RATE AFIB RATE THRESHOLD STABILITY ONSET SRD SHOCK IF UNSTABLE ^a	NONE
3-ZONE CONFIGURATION	V RATE > A RATE AFIB RATE THRESHOLD STABILITY ONSET SRD	SHOCK IF UNSTABLE	NONE

^a. SHOCK IF UNSTABLE CANNOT BE PROGRAMMED ON IN THE SAME ZONE AS OTHER DETECTION ENHANCEMENTS THAT ARE PROGRAMMED TO INHIBIT THERAPY (ONSET, STABILITY, AND AFIB RATE THRESHOLD)

FIG. 5

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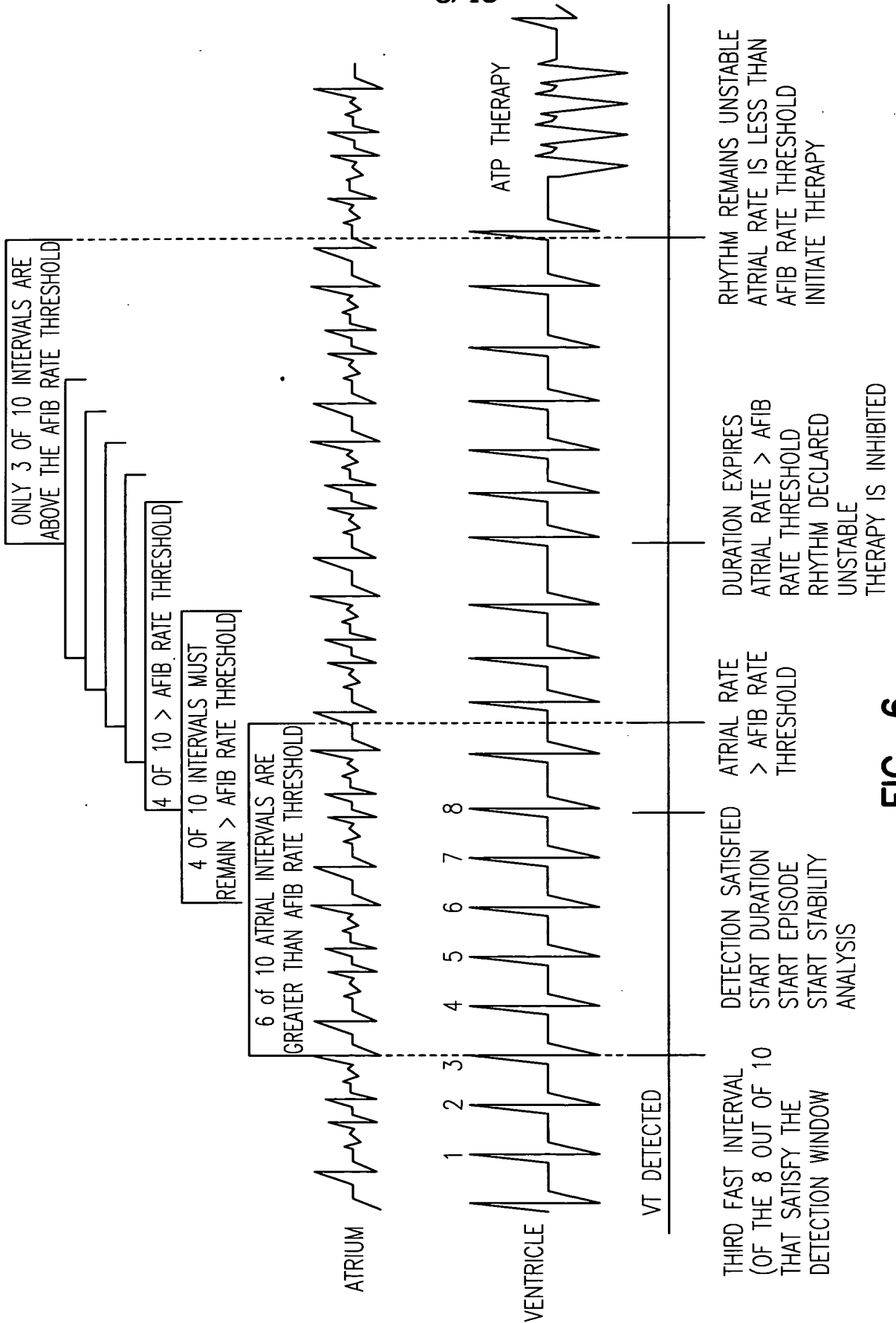


FIG. 6

DETECTED RHYTHM	AFIB RATE THRESHOLD WITH STABILITY
GRADUAL, UNSTABLE A > AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
GRADUAL, UNSTABLE A < AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
SUDDEN, UNSTABLE A > AFIB RATE THRESHOLD	INHIBIT UNTIL STABLE, V > A OR SRD (IF ON)
SUDDEN, UNSTABLE A < AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION ^a
GRADUAL, STABLE A > AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION ^b
GRADUAL, STABLE A < AFIB RATE THRESHOLD	INHIBIT UNTIL V > A OR SRD (IF ON)
SUDDEN, STABLE A > AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, STABLE A < AFIB RATE THRESHOLD	TREAT IMMEDIATELY AT END OF DURATION

- a. IF V RATE > A RATE IS PROGRAMMED ON AND IS FALSE, THEN THERAPY WILL BE INHIBITED IF THE RHYTHM IS UNSTABLE
- b. IF V RATE > A RATE IS PROGRAMMED ON AND IS FALSE, THERAPY WILL STILL BE INITIATED BECAUSE THE RHYTHM IS DECLARED STABLE

FIG. 7

DETECTED RHYTHM	POSSIBLE COMBINATIONS	POSSIBLE COMBINATIONS
	ONSET AND STABILITY ^a	ONSET OR STABILITY
GRADUAL, UNSTABLE	INHIBIT UNTIL $V > A$ OR SRD (IF ON)	INHIBIT UNTIL RHYTHM BECOMES STABLE, $V > A$, OR SRD (IF ON)
GRADUAL, STABLE	INHIBIT UNTIL $V > A$ OR SRD (IF ON)	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, UNSTABLE	INHIBIT UNTIL RHYTHM BECOMES STABLE, OR $V > A$, OR SRD (IF ON)	TREAT IMMEDIATELY AT END OF DURATION
SUDDEN, STABLE	TREAT IMMEDIATELY AT END OF DURATION	TREAT IMMEDIATELY AT END OF DURATION

^a. THE AND COMBINATION IS THE NOMINAL SETTING WHEN BOTH ARE ENABLED

FIG. 8

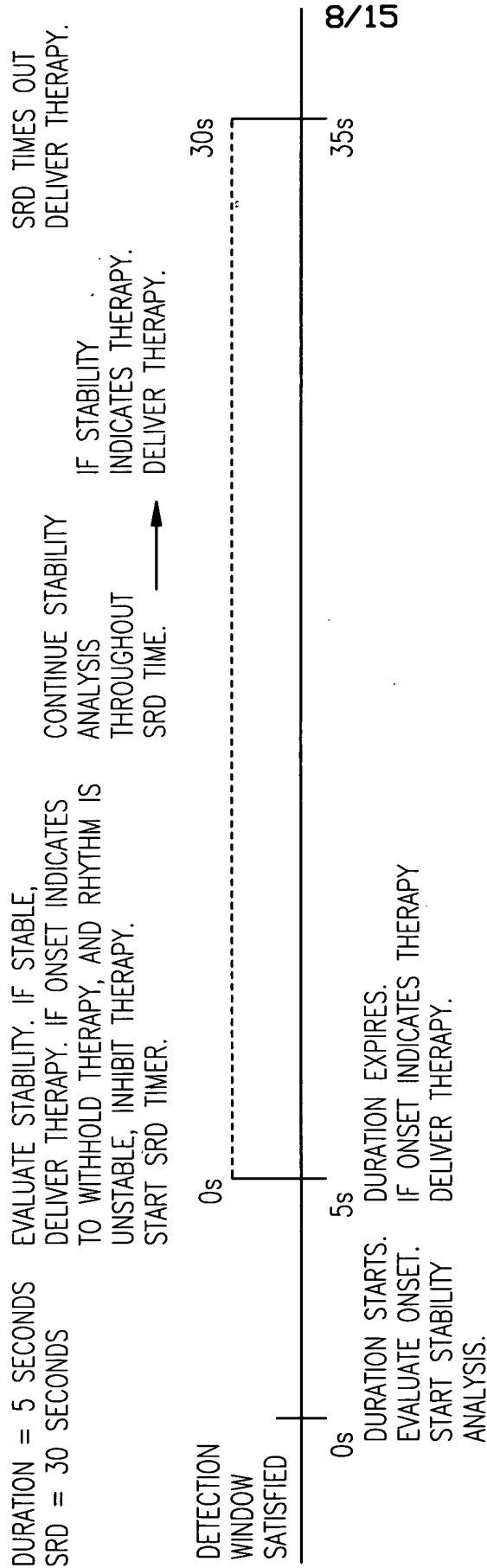


FIG. 9

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FIG. 10

	RHYTHM DISCRIMINATION AVAILABLE PER ZONE		
	VT-1 ZONE	VT ZONE	VF ZONE
3-ZONE CONFIGURATION	ATRIAL TACHYARRHYTHMIA SINUS TACHYCARDIA	POLYMORPHIC VT	NONE
2-ZONE CONFIGURATION		ATRIAL TACHYARRHYTHMIA SINUS TACHYCARDIA OR POLYMORPHIC VT	NONE

FIG. 11

PARAMETER	ATRIAL TACHYARRHYTHMIA	SINUS TACHYCARDIA	POLYMORPHIC VT
V > A	ON	ON	
A FIB RATE THRESHOLD	200 MIN ⁻¹		
STABILITY (INHIBIT)	10 ms		
ONSET (INITIAL DETECTION ONLY)		9 %	
SRD INITIAL REDETECTION	0:30 MINUTES:SECONDS 0:15 MINUTES:SECONDS	0:30 MINUTES:SECONDS	
SHOCK IF UNSTABLE			30 MS

FIG. 12

PARAMETER	ATRIAL TACHYARRHYTHMIA	SINUS TACHYCARDIA	POLYMORPHIC VT
STABILITY (INHIBIT)	30 ms		
ONSET (INITIAL DETECTION ONLY)		9 %	
SRD INITIAL REDETECTION	0:30 MINUTES:SECONDS 0:15 MINUTES:SECONDS	0:30 MINUTES:SECONDS	
SHOCK IF UNSTABLE			30 MS

FIG. 13

UT-1 Detection

Initial	Present	Change	Redetection	Present	Change
Rate	160	145 bpm	Redetection Duration	1.0	sec
Interval	375	415 ms	Post-shock Duration	1.0	sec
Duration	2.5	sec			

☒ Detection Enhancements
 ☐ Present
 Change

☒ Atrial Tachyarrhythmia Discrimination

☒ Sinus Tachycardia Discrimination

Cancel Changes

FIG. 14

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Utilities

Tachy Mode

Monitor only

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

AS VS

Surface

Atrial

Vent

A/V

A/S

V/S

DDDR

60-90 ppm

MTR 80 ppm

#

1

2

3

Zones

125 bpm VT-1

145 bpm VT

165 bpm

2.5 sec SRD

V>A, A Fib, Onset

ATP 5J 10J 31J

2.5 sec

2.5 sec

AT PX2 5J 10J 31J

1.0 sec

10J 20J 31J+

VT-1 Detection

Initial Detection

Rate

Interval

Duration

Present

145

414

2.5

Change

bpm

ms

sec

Redetection

Redetection Post-shock

Duration

Duration

Present

1.0

1.0

Change

sec

sec

94

Detection Enhancements

On

90

Polymorphic VT Discrimination

Cancel Changes

System Summary

Quick Check

Tachy Parameters

Brady Parameters

Setup

Therapy History

Diagnostic Evaluation

EP Test

FIG. 15

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UT Detection Enhancements

Initial Shock if Unstable

Present 10

Change ms

Cancel Changes

Close

FIG. 16